IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Currently Amended) A device for recording information in blocks having logical addresses on a record carrier, the device comprising:

recording means for recording marks in a track on the record carrier representing the information, and

control means for controlling the recording by locating each block at a physical address in the track, the control means comprising:

addressing means for translating the logical addresses into the physical addresses and vice versa in dependence of defect management information,

defect management means for detecting defects and maintaining

the defect management information, the defect management

information including assignment information indicative of

assignment of physical addresses in first parts of the track to at

least one user data area, assignment of physical addresses in

second parts of the track to defect management areas and assignment

of the defect management information to the defect management

areas, and the defect management information including remapping

information indicative for translating a logical address initially

mapped to a physical address exhibiting a defect to an alternate

physical address in a defect management area,

data type detection means for detecting a data type of

recorded information including a streaming type for real-time data,

or non-streaming type for random data, and

defect management area reassignment means for ~~dynamically~~

changing said assignment information in dependence of the data type

recorded on the record carrier including assigning a defect to a

first defect management area for information of the streaming type,

or to a second defect management area for information of the non-

streaming type, and double assigning by remapping a same defect to

both the first defect management area and the second defect

management area.

2. (Previously Presented)   The device as claimed in claim 1,

wherein the defect management area reassignment means are for

changing said assignment information from a distributed layout

having the first parts and the second parts of the track

alternatingly arranged to a contiguous layout having a

substantially uninterrupted user data area in dependence of the

data type being streaming, or vice versa.

3. (Previously Presented)   The device as claimed in claim 2,

wherein the defect management area reassignment means are for

changing said assignment information for a first physical address

range to the distributed layout and for a second physical address

range to the contiguous layout, the first physical address range

containing information of the non-streaming type and the second

physical address range containing information of the streaming

type.

Claims 4-5 (Canceled)

6. (Currently Amended)   The device as claimed in ~~claim 5~~ claim 1, wherein the defect management area reassignment means are for performing the double assigning as a background process.

7. (Currently Amended)   The device as claimed in ~~claim 4~~ claim 1, wherein the defect management area reassignment means are changing the assigning of physical address to the first defect management area for information of the streaming type, or to the second defect management area for information of the non-streaming type in dependence of information recorded or defects detected on the record carrier.

8. (Previously Presented)   The device as claimed in claim 1, wherein the defect management area reassignment means are for, in the event that the translation of logical address to physical address of previously recorded blocks is affected by said

reassignment, moving the previously recorded blocks to a different physical address that after the reassignment corresponds to the logical address, and/or by adapting file management information by amending the logical addresses of the affected of previously recoded blocks.

9.(Previously Presented)   The device as claimed in claim 1, wherein the data type detection means are for detecting the data type by monitoring commands for recording or retrieving information, by retrieving record carrier information indicative of the data type, by detecting a data type from the data structure of the recorded information, or by detecting file system information, or by communicating with a host device.

10.(Currently Amended)   A method of defect management for recording of information in blocks having logical addresses on a record carrier, the method comprising the acts of:

locating each block at a physical address in the track,

translating the logical addresses into the physical addresses

and vice versa in dependence of defect management information,

detecting defects and maintaining the defect management information, the defect management information including assignment information indicative of assignment of physical addresses in first parts of the track to at least one user data area, assignment of physical addresses in second parts of the track to defect management areas and assignment of the defect management information to the defect management areas, and the defect management information including remapping information indicative for translating a logical address initially mapped to a physical address exhibiting a defect to an alternate physical address in a defect management area,

detecting a data type of recorded information, including a streaming type for real-time data, or non-streaming type for random data, and

~~dynamically~~ changing said assignment information in dependence of the data type recorded on the record carrier, <u>wherein the changing act includes double assigning a same defect to a first defect management area for information of the streaming type, and</u>

to a second defect management area for information of the non-streaming type, by remapping the same defect to both the first defect management area and the second defect management area.

11.(Currently Amended) A computer readable medium embodying a computer program, the computer program when executed by a processor is configured to cause the processor to perform the ~~method as claimed in claim 10~~ acts of:

locating each block at a physical address in the track,

translating the logical addresses into the physical addresses and vice versa in dependence of defect management information,

detecting defects and maintaining the defect management information, the defect management information including assignment information indicative of assignment of physical addresses in first parts of the track to at least one user data area, assignment of physical addresses in second parts of the track to defect management areas and assignment of the defect management information to the defect management areas, and the defect management information including remapping information indicative

for translating a logical address initially mapped to a physical

address exhibiting a defect to an alternate physical address in a

defect management area,

detecting a data type of recorded information, including a

streaming type for real-time data, or non-streaming type for random

data, and

changing said assignment information in dependence of the data

type recorded on the record carrier, wherein the changing act

includes double assigning a same defect to a first defect

management area for information of the streaming type, and to a

second defect management area for information of the non-streaming

type, by remapping the same defect to both the first defect

management area and the second defect management area.

Claim 12 (Canceled)

13.(Currently Amended) The method ~~claim 12~~ of claim 10,

wherein the double assigning is performed as a background process.